

**EDI GUIDELINE**

for

**ORDERS 92.1**

<b>Message Type</b>	<b>ORDERS, ORDCHG</b>
<b>Version</b>	<b>1</b>
<b>Release</b>	<b>921</b>

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## Message Layout Diagram

<u>Section</u>	<u>Segment</u>	<u>Description</u>	<u>Requirement</u>	<u>max.Repeat</u>
H	UNB	Interchange Control Header	M	1
H	UNH	Message Header	M	1
H	BGM	Beginning of Message	M	1
H	DTM	Date/Time/Period	M	1
	<i>Group 1</i>		C	3
H	RFF	Reference	C	1
H	DTM	Date/Time/Period	C	1
	<i>Group 2</i>		M	5
H	NAD	Name and Address	M	1
H	RFF	Reference	C	1
H	CUX	Currencies	R	2
	<i>Group 3</i>		M	999
D	LIN	Line Item	M	1
D	PIA	Additional Product ID	R	1
D	IMD	Item Description	C	1
D	QTY	Quantity	D	1
D	DTM	Date/Time/Period	D	1
D	PRI	Price Details	R	1
D	RFF	Reference	C	3
	<i>Group 4</i>		R	99
D	SCC	Scheduling Conditions	M	1
D	QTY	Quantity	R	1
D	DTM	Date/Time/Period	R	1
S	UNS	Section Control	M	1
S	UNT	Message Trailer	M	1
S	UNZ	Interchange Control Trailer	M	1

## Explanatory Requirements

M - Mandatory

EDIFACT dictates that the data element or segment must be present.

R – Required

The data element or segment is conditional in EDIFACT, but it is required by Diehl Controls

D - Depending

If the group 4 is present, the data element or segment is conditional otherwise it is required

C - Conditional

The data element or segment will be used by Diehl Controls, but it's not mandatory

N – Not used

The data element or segment will not be used by Diehl Controls

## UNB Segment - Interchange Control Header (Header)

**Requirement: M  
Max. Repeat : 1**

Purpose: To indicate the beginning of an interchange.

Composite/ Element	Element Description	Data Req	Type	Min/ Max Size	Diehl Controls Usage/ Qualifiers/Definition
S001	SYNTAX IDENTIFIER	M			
	0001 Syntax identifier	M	AN	1/4	"UNOA" = UN/ECE level A
	0002 Syntax version number	M	N	1/1	"1"
S002	INTERCHANGE SENDER	M			
	0004 Sender identification	M	AN	1/35	DIEHLINF
	0007 Identification code qualifier	C	AN	1/4	
	0008 Address for reverse routing	C	AN	1/14	
S003	INTERCHANGE RECIPIENT	M			
	0010 Recipient identification	M	AN	1/35	XXX
	0007 Identification code qualifier	N	AN	1/4	
	0014 Routing address	N	AN	1/14	
S004	DATE/TIME OF PREPARATION	M			
	0017 Date	M	N	6/6	YYMMDD
	0019 Time	M	N	4/4	HHMM
0020	INTERCHANGE CONTROL REFERENCE	M	N	1/14	
S005	RECIPIENTS REFERENCE, PASSWORD	N			
	0022 Recipients reference, password	N	AN	1/14	
	0025 Recipients reference, password, qualifier	N	AN	2/2	
0026	APPLICATION REFERENCE	R	AN	1/14	"ORDERS" or "ORDCHG"

**UNH Segment - Message Header (Header)**

**Requirement: M**  
**Max. Repeat : 1**

Purpose: To indicate the beginning of a message.

Composite/ Element	Element Description	Req	Data Type	Min/ Max Size	Diehl Controls Usage/ Qualifiers/Definition
0062	MESSAGE REFERENCE NUMBER	M	AN	1/14	
S009	MESSAGE IDENTIFIER	M			
	0065 Message type identifier	M	AN	1/6	"ORDERS" or "ORDCHG"
	0052 Message type version number	M	AN	1/3	"1"
	0054 Message type release number	M	AN	1/3	"921"
	0051 Controlling agency	M	AN	1/2	"UN"
	0057 Association assigned code	R	AN	1/6	

**BGM Segment - Beginning of Message (Header)**

**Requirement: M**  
**Max. Repeat : 1**

Purpose: To indicate the type and function of a message and to transmit the identifying number.

Composite/ Element	Element Description	Req	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C002	DOCUMENT/MESSAGE NAME	M			
	1001 Document/message name, coded	M	AN	3/3	"220" = Order
1004	DOCUMENT/MESSAGE NUMBER	M	AN	1/35	Purchase order number without special characters.
1225	MESSAGE FUNCTION, CODED	M	N	1/3	"9" = Original

### DTM Segment - Date/Time/Period (Header)

**Requirement: M**  
**Max. Repeat : 1**

Purpose: To specify pertinent date, and/or time, or period for the purchase order.

Composite/ Element	Element Description	Data Req Type		Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C507	DATE/TIME/PERIOD	M			
	2005	M	AN	1/3	"137" = Document/message date/time
	2380	M	AN	1/35	Purchase order date
	2379	M	AN	1/3	"102" = CCYYMMDD

### RFF Segment - Reference (Header)

**Requirement: C**  
**Max. Repeat : 1**

Purpose: To specify a reference for the contract number of the order refers to.

Composite/ Element	Element Description	Data Req Type		Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C506	REFERENCE	C			
	1153	M	AN	1/3	"CT" = Contract number "ON" = Order number "AAG" = Offer number
	1154	M	AN	1/35	Reference number

### DTM Segment - Date/Time/Period (Header)

**Requirement: C**  
**Max. Repeat : 1**

Purpose: To specify pertinent date, and/or time, or period for the purchase order.

Composite/ Element	Element Description	Data Req Type		Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C507	DATE/TIME/PERIOD	C			
	2005	M	AN	1/3	"171" = Reference date/time
	2380	M	AN	1/35	Reference date
	2379	M	AN	1/3	"102" = CCYYMMDD

**NAD Segment - Name and Address (Header)**

**Requirement: M**  
**Max. Repeat : 1**

Purpose: To specify the originating location of a party by extended name and address information.

Composite/ Element	Element Description	Data Req	Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
3035	PARTY QUALIFIER	M	AN	1/3	"DP" = Delivery Party "BY" = Buyer "SE" = Seller "SU" = Supplier "UC" = Ultimate Consignee
C082	PARTY IDENTIFICATION DETAILS	C			
	3039 Party id identification	M	AN	1/17	
	1131 Code list qualifier	N	AN	1/3	
	3055 Code list responsible agency, coded	C	AN	1/3	"91" = Assigned by seller or seller's agent "92" = Assigned by buyer or buyer's agent
C058	NAME AND ADDRESS	C			
	3124 Name and address line	M	AN	1/35	
C080	PARTY NAME	C			
	3036 Party name	M	AN	1/35	

**RFF Segment - Reference (Header)**

**Requirement: C**  
**Max. Repeat : 1**

Purpose: To specify the VAT registration number.

Composite/ Element	Element Description	Data Req	Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C506	REFERENCE	C			
	1153 Reference qualifier	M	AN	1/3	"VA" = VAT registration number
	1154 Reference number	M	AN	1/35	Registration number

### CUX Segment - Currencies (Header)

**Requirement: R**  
**Max. Repeat : 2**

Purpose: To specify currencies used in the transaction and relevant details for the rate of exchange.

Composite/ Element	Element Description	Data Req Type	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C504	CURRENCY DETAILS	M			
	6347 Currency details qualifier	M	AN	1/3	"2" = Reference currency
	6345 Currency, coded	M	AN	1/3	
	6343 Currency qualifier	M	AN	1/3	"9" = Order currency "4" = Invoice currency

### LIN Segment - Line Item (Detail)

**Requirement: M**  
**Max. Repeat : 1**

Purpose: To identify a line item and configuration.

Composite/ Element	Element Description	Data Req Type	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
1082	LINE ITEM NUMBER	M	N	1/6	Start with 1, increment by 1, must be unique
1229	ACTION REQUEST /NOTIFICATION, CODED	N	AN	1/3	
C212	ITEM NUMBER IDENTIFICATION	M			
	7140 Item number	M	AN	1/35	Part number (Article number)
	7143 Item number type, coded	M	AN	1/3	"VP" = Vendor's (seller's) part number "BP" = Buyer's part number

### PIA Segment - Additional Product ID (Detail)

**Requirement: R**  
**Max. Repeat : 1**

Purpose: To specify additional or substitutional item identification codes.

Composite/ Element	Element Description	Data Req Type	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
4347	PRODUCT ID FUNCTION QUALIFIER	M	AN	1/3	"1" = Additional identification
C212	ITEM NUMBER IDENTIFICATION	M			
	7140 Item number	M	AN	1/35	Part number (Article number)
	7143 Item number type, coded	M	AN	1/3	"VP" = Vendor's (seller's) part number "BP" = Buyer's part number



### IMD Segment – Item Description (Detail)

Requirement: C  
Max. Repeat : 1

Purpose: To specify an item with the description.

Composite/ Element	Element Description	Data Req Type		Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
7077	Item Description Type, coded	M	AN	1/3	"B" = Code and Text "F" = Free Form
7081	Item characteristic, coded	N	AN	1/3	
C273	ITEM DESCRIPTION	C			
	7009 Item description identification	N	AN	1/7	
	1131 Code list qualifier	N	AN	1/3	
	3055 Code list	N	AN	1/3	
	7008 Item description	M	AN	1/35	
	7008 Item description	C	AN	1/35	

### QTY Segment – Quantity (Detail)

Requirement: D  
Max. Repeat : 1

Purpose: To specify the total order quantity for a specific line item in the message.

Composite/ Element	Element Description	Data Req Type		Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C186	QUANTITY DETAILS	M			
	6063 Quantity qualifier	M	AN	1/3	"21" = Total ordered quantity
	6060 Quantity	M	N	1/15	Total quantity for the line item
	6411 Measure unit qualifier	C	AN	1/3	"PCE" = Pieces

### DTM Segment - Date/Time/Period (Detail)

Requirement: D  
Max. Repeat : 1

Purpose: To specify a delivery date on which requests goods to be delivered for the line item.

Composite/ Element	Element Description	Data Req Type		Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
C507	DATE/TIME/PERIOD	C			
	2005 Date/time/period qualifier	M	AN	1/3	"2" = Buyer requested delivery date
	2380 Date/time/period	M	AN	1/35	Requested delivery date
	2379 Date/time/period format qualifier	M	AN	1/3	"102" = CCYYMMDD

### PRI Segment - Price Details (Detail)

Requirement: R  
Max. Repeat : 1

Purpose: To specify price information.

Composite/ Element	Element Description	Data Req Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition	
C509	PRICE INFORMATION	C			
	5125 Price qualifier	M AN	1/3	"CAL" = Calculation "INF" = Information	
	5118 Price	C N	1/15	Unit price (Maximum 4 decimals, only allow period as decimal separator)	
	5375 Price type, coded	N AN	1/3		
	5387 Price type qualifier	N AN	1/3		
	5284 Unit price basis	C N	1/9		
	6411 Measure unit qualifier	C AN	1/3	"PCE" = Pieces	

### RFF Segment - Reference (Detail)

Requirement: C  
Max. Repeat : 3

Purpose: To identify warehouse storage location.

Composite/ Element	Element Description	Data Req Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition	
C506	REFERENCE	C			
	1153 Reference qualifier	M AN	1/3	"WS" = Warehouse storage location number "LI" = Line Item number	
	1154 Reference number	C AN	1/35		
	1156 Line Item number	C AN	1/6		

### SCC Segment - Scheduling Conditions (Detail)

Requirement: M  
Max. Repeat : 1

Purpose: To specify scheduling conditions.

Composite/ Element	Element Description	Data Req Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition	
4017	DELIVERY PLAN STATUS INDICATOR, CODED	M AN	1/3	"1" = Firm	

### QTY Segment – Quantity (Detail)

Requirement: R  
Max. Repeat : 1

Purpose: To specify the split order quantity for a specific line item in the message.

Composite/ Element	Element Description	Data Req Type		Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition	
C186	QUANTITY DETAILS	M				
	6063	Quantity qualifier	M	AN	1/3	"11" = Split quantity "21" = Order quantity
	6060	Quantity	M	N	1/15	quantity for the line item
	6411	Measure unit qualifier	C	AN	1/3	"PCE" = Pieces

### DTM Segment - Date/Time/Period (Detail)

Requirement: R  
Max. Repeat : 1

Purpose: To specify a delivery date on which requests goods to be delivered for the line item.

Composite/ Element	Element Description	Data Req Type		Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition	
C507	DATE/TIME/PERIOD	C				
	2005	Date/time/period qualifier	M	AN	1/3	"2" = Buyer requested delivery date
	2380	Date/time/period	M	AN	1/35	Requested delivery date
	2379	Date/time/period format qualifier	M	AN	1/3	"102" = CCYYMMDD

### UNS Segment - Section Control (Summary)

Requirement: M  
Max. Repeat : 1

Purpose: To separate detail and summary sections of a message.

Composite/ Element	Element Description	Data Req Type		Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
0081	SECTION IDENTIFICATION	M	AN	1/1	"S" = Detail/summary section separation

## UNT Segment - Message Trailer (Summary)

**Requirement: M  
Max. Repeat : 1**

Purpose: To end and check the completeness of a message.

Composite/ Element	Element Description	Data Req	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
0074	NUMBER OF SEGMENTS IN A MESSAGE	M	N	1/6	Number of segments including UNH & UNT
0062	MESSAGE REFERENCE NUMBER	M	AN	1/14	Must be identical to the message reference number in the UNH segment

## UNZ Segment - Interchange Control Trailer (Summary)

**Requirement: M  
Max. Repeat : 1**

Purpose: To end and check the completeness of an interchange.

Composite/ Element	Element Description	Data Req	Data Type	Min/ Max Size	DIEHL CONTROLS Usage/ Qualifiers/Definition
0036	INTERCHANGE CONTROL COUNT	M	N	1/6	Number of messages in a interchange
0020	INTERCHANGE CONTROL REFERENCE	M	AN	1/14	Must be identical to the interchange control reference in the UNB segment

**Example 1****ORDERS**

UNB+UNOA:3+DIEHLINF+your EDI addr+110201:1048+108++ORDERS'  
UNH+00000108000001+ORDERS:1:921:UN:ED3'  
BGM+220+090/45450051'  
DTM+137:20110201:102'  
NAD+BY+Buyer-Code::91'  
NAD+SU+Supplier-Code::91'  
NAD+DP+0001::92++DIEHL AKO STIFTUNG & CO. KG:GOODS RECEIPT ZONE PLANT  
0001+PFANNERSTRASSE 75+WANGEN (GERMANY)++88239+DE'  
CUX+2:EUR:4'  
LIN+1++000713438-00:BP'  
PIA+1+B57237S0600A001:VP'  
IMD+++:::RES-NTC 60R M 1,9A R'  
QTY+21:48000:PCE'  
FTX+AAJ+++DELIVERY LEAD FREE, ROHS CONFORMING'  
PRI+INF:64:::1000:PCE'  
SCC+1'  
QTY+113:48000:PCE'  
DTM+2:20110606:102'  
UNS+S'  
UNT+18+00000108000001'  
UNZ+1+108'

**Example 2****ORDCHG**

UNB+UNOA:3+DIEHLINF+ your EDI addr +110202:0839+205++ORDCHG'  
UNH+00000205000001+ORDCHG:1:921:UN:ED3'  
BGM+230+090/45450051'  
DTM+137:20110202:102'  
NAD+BY+ Buyer-Code::91'  
NAD+SU+ Supplier-Code::91'  
NAD+DP+0001::92++DIEHL AKO STIFTUNG & CO. KG:GOODS RECEIPT ZONE PLANT  
0001+PFANNERSTRASSE 75+WANGEN (GERMANY)++88239+DE'  
CUX+2:EUR:4'  
LIN+1++000713438-00:BP'  
PIA+1+B57237S0600A001:VP'  
IMD+++:::RES-NTC 60R M 1,9A R'  
QTY+21:50000:PCE'  
FTX+AAJ+++DELIVERY LEAD FREE, ROHS CONFORMING'  
PRI+INF:64:::1000:PCE'  
SCC+1'  
QTY+113:50000:PCE'  
DTM+2:20110606:102'  
UNS+S'  
UNT+18+00000205000001'  
UNZ+1+205'